

openings between stones on the face of heavy riprap shall be filled with spall or small rocks, securely rammed into place.

c. Stone Ditch Protection The ditch shall be excavated below the flow line to allow placement of the rock material to the specified depth. The stone ditch protection shall be placed, full depth, in one operation without special handwork, shall be approximately true to line and grade and shall be uniform in appearance.

610.05 Method of Measurement Stone fill, plain riprap, hand laid riprap, stone blanket, heavy riprap and stone ditch protection will be measured by the cubic meter [cubic yard], complete in place, except that when placed under water the quantity may be measured by truck load count with no reduction in volume.

610.06 Basis of Payment The accepted quantities of stone fill, plain riprap, hand laid riprap, stone blanket, heavy riprap and stone ditch protection and materials to fill the voids will be paid for at the contract unit price per cubic meter [cubic yard] complete in place.

Costs of all required excavation below the slope line for the placement of bedding, riprap, stone fill, stone blanket, stone ditch protection and for furnishing and placing the bedding material itself, will be considered incidental to the contract items and no separate payment will be made.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
610.07 Stone Fill	cubic meter [Cubic Yard]
610.08 Plain Riprap	cubic meter [Cubic Yard]
610.09 Hand Laid Riprap	cubic meter [Cubic Yard]
610.11 Stone Blanket	cubic meter [Cubic Yard]
610.16 Heavy Riprap	cubic meter [Cubic Yard]
610.18 Stone Ditch Protection	cubic meter [Cubic Yard]

## SECTION 611 - SLAB FOR BACKSLOPE PROTECTION

611.01 Description This work shall consist of slabs of stone or precast concrete placed on backslopes in accordance with these specifications and in reasonably close conformity with the lines and grades shown on the plans or established.

611.02 Materials Materials shall conform to the requirements specified in the following Sections of Division 700 - Materials:

Joint Mortar	705.02
Reinforcing Steel	709.01
Precast Concrete Slab	712.37
Stone Slab	712.38

611.03 Excavation The slope behind the slabs shall be carefully graded, by hand if necessary, to avoid disturbing earth beyond the designated limits.

611.04 Placement of Slab The slabs shall be placed to conform to the required line and grade. They shall be fitted together to form a vertical joint of not less than 5 mm [ $\frac{1}{4}$  in] and not greater than 20 mm [ $\frac{3}{4}$  in] wide. The space behind the slabs shall be backfilled with approved granular material thoroughly compacted. Special care shall be taken not to disturb the slabs.

The vertical joints shall be filled with approved caulking compound and neatly smoothed. The surface of the slab shall be protected from all caulking compound.

The slabs shall be protected and kept in good condition with particular care being taken to prevent discoloration of exposed surfaces. All exposed surfaces smeared or discolored shall be cleaned and restored to a satisfactory condition or removed and replaced with a new slab.

Lift holes shall be filled with cement mortar.

611.05 Method of Measurement Slab for backslope protection will be measured by the square meter [square yard] of slab complete in place, measured parallel to the slope but not to exceed the dimensions shown on the plans or authorized by the Resident.

611.06 Basis of Payment The accepted quantity of slab for backslope protection will be paid for at the contract unit price per square meter [square yard] complete in place

including caulking of joints.

Excavation to the face of the slab will be measured and paid for as provided in Section 203 - Excavation and Embankment. Excavation and backfill beyond the face of the slab will be considered incidental to the various contract items and no separate payment will be made.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
611.16 Stone Slab for Backslope Protection	square meter [Square Yard]
611.17 Concrete Slab for Backslope Protection	square meter [Square Yard]

## SECTION 612 - BITUMINOUS SEALING

612.01 Description This work shall consist of sealing bituminous mix surfaces with emulsified bituminous sealing compound of the specified color, applied at locations shown on the plans or designated.

612.02 Materials Bituminous material for sealing shall conform to the requirements of Emulsified Bituminous Sealing Compound, Section 702.12.

612.03 General The sealing compound shall be applied in two coats. The first coat shall be diluted by the addition of up to 50% water to a liquid consistency and applied with brooms or other approved methods at a rate of 1.25 L to 2.25 L [0.25 gal to 0.50 gal] of diluted sealer per square meter [square yard]. The second coat shall be diluted only to the extent necessary to obtain workability and applied at a rate of 1.1 L to 2.2 L [0.25 gal to 0.50 gal] of diluted sealer per square meter [square yard].

612.04 Method of Measurement Bituminous sealing will be measured by the square meter [square yard] of surface sealed measured parallel to the surface.

612.05 Basis of Payment The accepted quantities of bituminous sealing will be paid